

	Document ID	Issue Date	Pages	Title	Current OR	Current XRef
1	US 20030081656 A1	20030501	33	Methods and apparatus for downlink diversity in CDMA using Walsh codes	375/142	375/144; 375/146; 375/148; 375/150
2	US 20030067993 A1	20030410	14	Open-loop diversity technique for systems employing multi-transmitter antennas	375/267	375/346
3	US 20030043887 A1	20030306	29	Communication system and methods of estimating channel impulse responses therein	375/144	
4	US 20030035468 A1	20030220	38	System and method for adjusting combiner weights using an adaptive algorithm in wireless communications system	375/148	
5	US 20030031276 A1	20030213	9	Decoder, and an associated method, for decoding space-time encoded data	375/340	375/347
6	US 20030026345 A1	20030206	18	Multipath equalization for MIMO multiuser systems	375/260	375/346
7	US 20030002568 A1	20030102	15	Multi-path interference cancellation for transmit diversity	375/148	375/267
8	US 20020196842 A1	20021226	21	Closed loop multiple transmit, multiple receive antenna wireless communication system	375/148	375/267
9	US 20020176485 A1	20021128	21	Multi-cast communication system and method of estimating channel impulse responses therein	375/144	375/260; 375/340
10	US 20020126779 A1	20020912	39	Receiving method and receiver	375/346	
11	US 20020126746 A1	20020912	17	Time tracking in a non-negligible multipath spacing environment	375/148	
12	US 20020106008 A1	20020808	16	Receiver architecture for transmit diversity in CDMA system	375/148	
13	US 20020067761 A1	20020606	11	Method and system for canceling multiple access interference in CDMA wireless communication system	375/148	
14	US 20020034267 A1	20020321	22	System for near optimal joint channel estimation and data detection for COFDM systems	375/340	

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1	Buehrer, R. Michael et al.
2	Viswanathan, Harish
3	Hudson, John E.
4	Corbaton, Ivan Jesus Fernandez et al.
5	Boariu, Adrian
6	Muharemovic, Tarik et al.
7	Dabak, Anand et al.
8	Onggosanusi, Eko N. et al.
9	Hudson, John E.
10	Denno, Satoshi
11	Rick, Roland Reinhard et al.
12	Guey, Jiann-Ching
13	Kong, Ning et al.
14	Chuang, Justin C. et al.

	Document ID	Issue Date	Pages	Title	Current OR	Current XRef
15	US 6549585 B2	20030415	12	Combined interference cancellation and maximum likelihood decoding of space-time block codes	375/267	375/148
16	US 6546043 B1	20030408	10	Method and apparatus for cancellation of multiple access interference in a code division multiple access (CDMA) communication system	375/148	
17	US 6522683 B1	20030218	16	Method and apparatus for adaptive linear equalization for walsh covered modulation	375/144	375/145; 375/146
18	US 6501747 B1	20021231	16	Manifold assisted channel estimation and demodulation for CDMA systems in fast fading environments	370/342	370/442; 375/148; 375/150
19	US 6477210 B2	20021105	28	System for near optimal joint channel estimation and data detection for COFDM systems	375/340	370/210
20	US 6470043 B1	20021022	6	Near-optimal low-complexity decoding of space-time codes for fixed wireless applications	375/144	375/148; 375/347
21	US 6466610 B1	20021015	16	Spread-spectrum, space diversity and coding antenna system and method	375/141	375/143; 375/144; 375/267; 375/347
22	US 6393073 B1	20020521	15	Method of frequency offset estimation and correction for adaptive antennas	375/340	375/327
23	US 6377636 B1	20020423	20	Method and wireless communications system using coordinated transmission and training for interference mitigation	375/346	370/342; 375/260; 375/347
24	US 6327310 B1	20011204	8	Wireless transmission method for antenna arrays, having improved resistance to fading	375/259	375/267; 375/346; 375/347
25	US 6314147 B1	20011106	20	Two-stage CCI/ISI reduction with space-time processing in TDMA cellular networks	375/346	375/348; 455/296; 455/63

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<b>15</b>	Naguib; Ayman F. et al.
<b>16</b>	Kong; Ning
<b>17</b>	Smee; John E. et al.
<b>18</b>	Friedlander; Benjamin et al.
<b>19</b>	Chuang; Justin C. et al.
<b>20</b>	Lo; Titus et al.
<b>21</b>	Schilling; Donald L.
<b>22</b>	Eilts; Henry S.
<b>23</b>	Paulraj; Arogyaswami J. et al.
<b>24</b>	Hochwald; Bertrand M. et al.
<b>25</b>	Liang; Jen-Wei et al.

	Document ID	Issue Date	Pages	Title	Current OR	Current XRef
26	US 6304750 B1	20011016	7	Space-time diversity receiver for wireless systems	455/137	370/335; 370/342; 375/144; 375/148; 375/349
27	US 6259894 B1	20010710	13	Method for improved line-of-sight signal detection using RF model parameters	455/65	375/343; 375/346; 455/67.1; 455/67.6
28	US 6226321 B1	20010501	27	Multichannel parametric adaptive matched filter receiver	375/227	375/340; 375/346
29	US 6188736 B1	20010213	5	Near-optimal low-complexity decoding of space-time codes for fixed wireless applications	375/347	375/130; 375/267; 375/346; 455/303; 455/304; 702/191
30	US 6188718 B1	20010213	9	Methods and apparatus for reducing cochannel interference in a mixed-rate communication system	375/148	375/347; 375/349; 455/273; 455/278.1
31	US 6178196 B1	20010123	13	Combined interference cancellation and maximum likelihood decoding of space-time block codes	375/148	375/341; 375/347; 375/349
32	US 6144711 A	20001107	49	Spatio-temporal processing for communication	375/347	375/346; 375/349
33	US 6128330 A	20001003	19	Efficient shadow reduction antenna system for spread spectrum	375/141	375/143; 375/144; 375/347
34	US 6097771 A	20000801	13	Wireless communications system having a layered space-time architecture employing multi-element antennas	375/346	375/349
35	US 6088408 A	20000711	8	Decoding for generalized orthogonal designs for space-time codes for wireless communication	375/347	375/340; 455/133
36	US 5937014 A	19990810	18	Self-synchronizing equalization techniques and systems	375/340	375/348
37	US 5905721 A	19990518	9	Methods for channel estimation and signal detection of CDMA signals	370/342	375/148; 375/349

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26	Rashid-Farrokh; Farrokh et al.
27	Tekinay; Sirlin
28	Michels; James H. et al.
29	Lo; Titus et al.
30	Gitlin; Richard Dennis et al.
31	Naguib; Ayman F. et al.
32	Raleigh; Gregory G. et al.
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35	Calderbank; Arthur R. et al.
36	Pelin; Per et al.
37	Liu; Hui et al.

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38	US 5848105 A	19981208	46	GMSK signal processors for improved communications capacity and quality	375/336	370/478; 375/346; 375/350
39	US 5818866 A	19981006	13	Method of selecting propagation delays retained for receiving messages transmitted by spread spectrum radio communication	375/149	375/150; 375/254; 375/285; 375/346; 455/132; 455/63; 455/67.1; 455/67.3
40	US 5191598 A	19930302	8	System for reducing the affects of signal fading on received signals	375/347	375/340; 375/348; 455/137; 455/273

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38	Gardner; William A. et al.
39	Wilk; Heinz
40	Backstrom; Tomas O. et al.